LAW OFFICES
SCHWARTZ, TOBIA & STANZIALE
A PROFESSIONAL ASSOCIATION
KIP'S CASTLE
22 CRESTMONT ROAD
MONTCLAIR, NEW JERSEY 07042

(201) 746-6000
(212) 926-1610
TELEX
136-248
FAX
(201) 746-8250

THEODORE A. SCHWARTZ
CHARLES A. STANZIALE, JR.***
RONALD L. TOBIA**
KENT A. F. WEISERT
WARREN B. KASDAN
BEN H. BECKER
STEVEN R. WEINSTEIN***
GARY S. ROSENSWEIG
DAMON R. SEDITA****
RAYMOND T. LYONS, JR.
JOSEPH M. CAMPISANO
FRANK R. CAMPISANO
STEVEN T. SINGER
DONALD J. CRECCA
NINA C. PECKMAN
CAROL A. KALINOSKI***
ALAN S. ASHKINAZE°
MICHAEL J. MELILLO

ROBERT S. MORAFF**
HAROLD LEIB
A. LAWRENCE GAYDOS, JR.
COUNSEL

* MEMBER OF NY BAR
** MEMBER OF FLA. BAR
*** MEMBER OF D.C. BAR
**** MEMBER OF CAL. BAR
° MEMBER OF PA. BAR

April 25, 1988

Ms. Melinda Dower
Bureau of Case Management
Division of Hazardous Waste Management
Department of Environmental Protection
CN-028
Trenton, NJ 08625

RE: L. E. CARPENTER & COMPANY
AMENDED ADMINISTRATIVE CONSENT ORDER

Dear Ms. Dower:

Enclosed please find four (4) copies of a report prepared by Geo Engineering, in accordance with paragraph 35 of the Amended Administrative Consent Order entered into between the Department of Environmental Protection (DEP) and L. E. Carpenter & Company. Said progress report is for the period of January thru March, 1988.

Very truly yours,
SCHWARTZ, TOBIA & STANZIALE

By: STEVEN T. SINGER

STS/rs:ydf

Enclosure(s)

cc: Richard Hahn, Esq. (w/o enclosures)
William Dunnell (w/o enclosures)

GeoEngineering, Inc.
Consultants in Groundwater Control

100 Ford Rd. Denville, N.J. 07834 (201) 625 0700

April 18, 1988

Paxton & Seasongood
1700 Central Trust Tower
1 West Fourth Street
Cincinnati, OH 45202

ATTN: Denis Daly

SUBJ: L.E. Carpenter, Wharton, New Jersey
1986 Administrative Consent Order
January through March 1988 Progress Report

Gentlemen:

Per paragraph 35 of the 1986 Administrative Consent Report Order between L.E. Carpenter & Company and the NJDEP, the following progress report is submitted detailing the status of activities at the former L.E. Carpenter, Wharton Facility.

Auto-Skimmer Solvent Recovery activities remained suspended due to continuing equipment difficulties. No solvent was recovered during the quarter, and the total volume of solvent removed remained at 3851.5 gallons as reported in April - June, 1987, Quarterly Report. A new oil-water separator tank was received and installed; in addition, a complete cleaning and checkup was performed on the Auto-Skimmer. It will resume operations in the near future.

The June 22, 1987 proposal to L.E. Carpenter regarding a Multipoint Skimming/Groundwater Depression Product Recovery System remains under consideration.

Attached are the figures depicting contours for piezometric water level and the top of floating solvent elevations, and isopachs of solvent thickness for the months of January, February and March 1988. A summary table for elevations of groundwater, floating solvent and three locations on the Rockaway river, and for solvent thickness precedes each month's figures.

On February 8, 1988, groundwater samples were collected at the five designated monitor wells. ENSECO-ERCO Laboratory of Cambridge, Massachusetts, was contracted for the analytical work. The test results and laboratory QA/AC documentation are attached.

If you have any questions pertaining to the above, please do not hesitate to call.

Sincerely,

GEOENGINEERING, INC.

William W. Dunnell IV
Project Manager

WWD/tavh
Enclosures
cc: T. Schwartz (5)

Table A

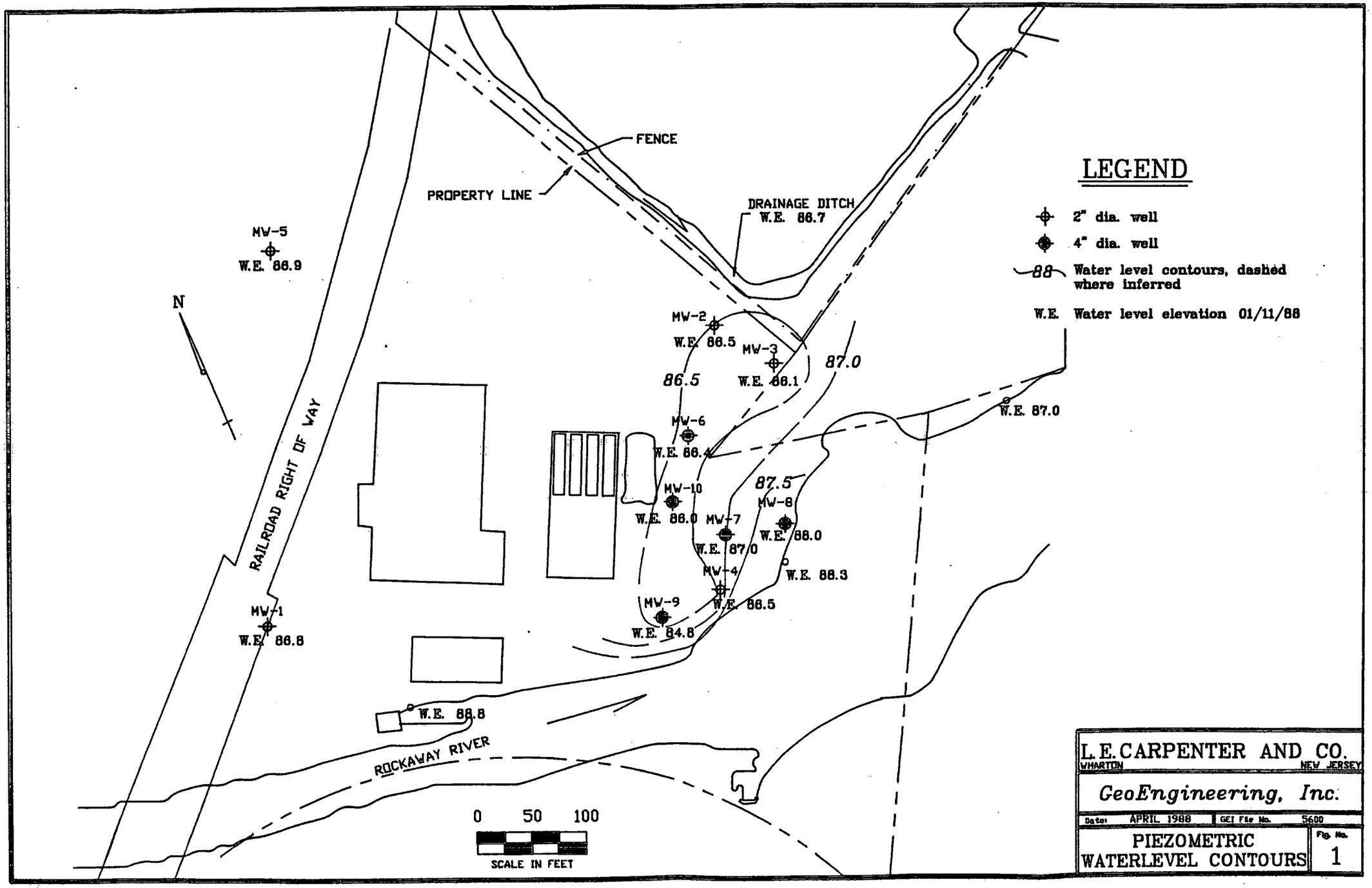
Solvent Thickness and Piezometric Elevations

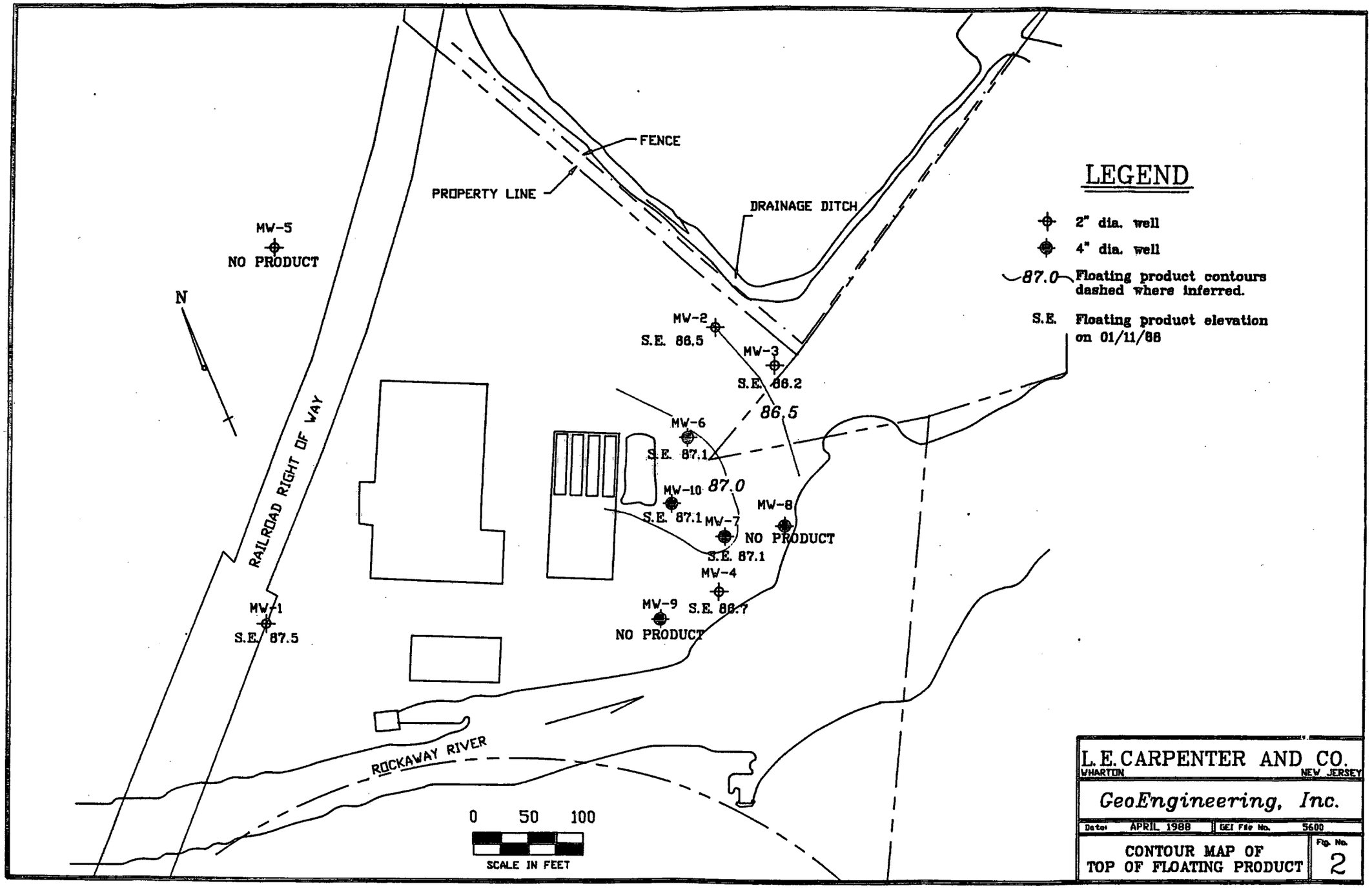
01/11/88

Well No.	Piezometric Surface Elevation	Floating Solvent Elevation	Measured Solvent (MW) Thickness (ft.)	Calculated Solvent Thickness in Soil
1	86.8 (1)	87.5	1.71	0.28
2	86.5 (1)	86.5	0.08	0.01
3	86.1 (1)	86.2	0.77	0.13
4	86.5 (1)	86.7	0.44	0.07
5	86.9 (1)	no solvent	0.00	0.00
6	86.4 (2)	87.1	4.04	0.66
7	87.0 (2)	87.1	0.70	0.11
8	88.0	no solvent	0.00	0.00
9	84.8	no solvent	0.00	0.00
10	86.0 (2)	87.1	6.58	1.07
DRAINAGE CHANNEL	86.7			
RIVER PT. 1	88.8			
PT. 2	88.3			
PT. 3	87.0			

(1) Depth to water measured inside the GEOMON Groundwater Sampler/Piezometer (inlet screen is below solvent level)

(2) Calculated piezometric surface, assuming solvent S.G.= 0.87


FENCE
PROPERTY LINE
DRAINAGE DITCH
W.E. 86.7
MW-5
W.E. 86.9
N
MW-2
W.E. 86.5
MW-3
W.E. 86.1
86.5
87.0
W.E. 87.0
MW-6
W.E. 86.4
RAILROAD RIGHT OF WAY
MW-10
W.E. 86.0
87.5
MW-8
W.E. 88.0
MW-7
W.E. 87.0
MW-4
W.E. 88.3
W.E. 86.5
MW-9
W.E. 84.8
MW-1
W.E. 86.8
W.E. 88.8
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
88 Water level contours, dashed where inferred
W.E. Water level elevation 01/11/88
L.E.CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date: APRIL 1988
GEI File No. 5600
PIEZOMETRIC WATERLEVEL CONTOURS
Fig. No. 1


FENCE
PROPERTY LINE
DRAINAGE DITCH
MW-5
NO PRODUCT
N
MW-2
S.E. 86.5
MW-3
S.E. 86.2
86.5
MW-6
S.E. 87.1
87.0
MW-10
S.E. 87.1
MW-8
MW-7
NO PRODUCT
S.E. 87.1
MW-4
MW-9
S.E. 86.7
NO PRODUCT
MW-1
S.E. 87.5
RAILROAD RIGHT OF WAY
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
87.0 Floating product contours dashed where inferred.
S.E. Floating product elevation on 01/11/88
L.E.CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date: APRIL 1988
GEI File No. 5600
CONTOUR MAP OF TOP OF FLOATING PRODUCT
Fig. No. 2

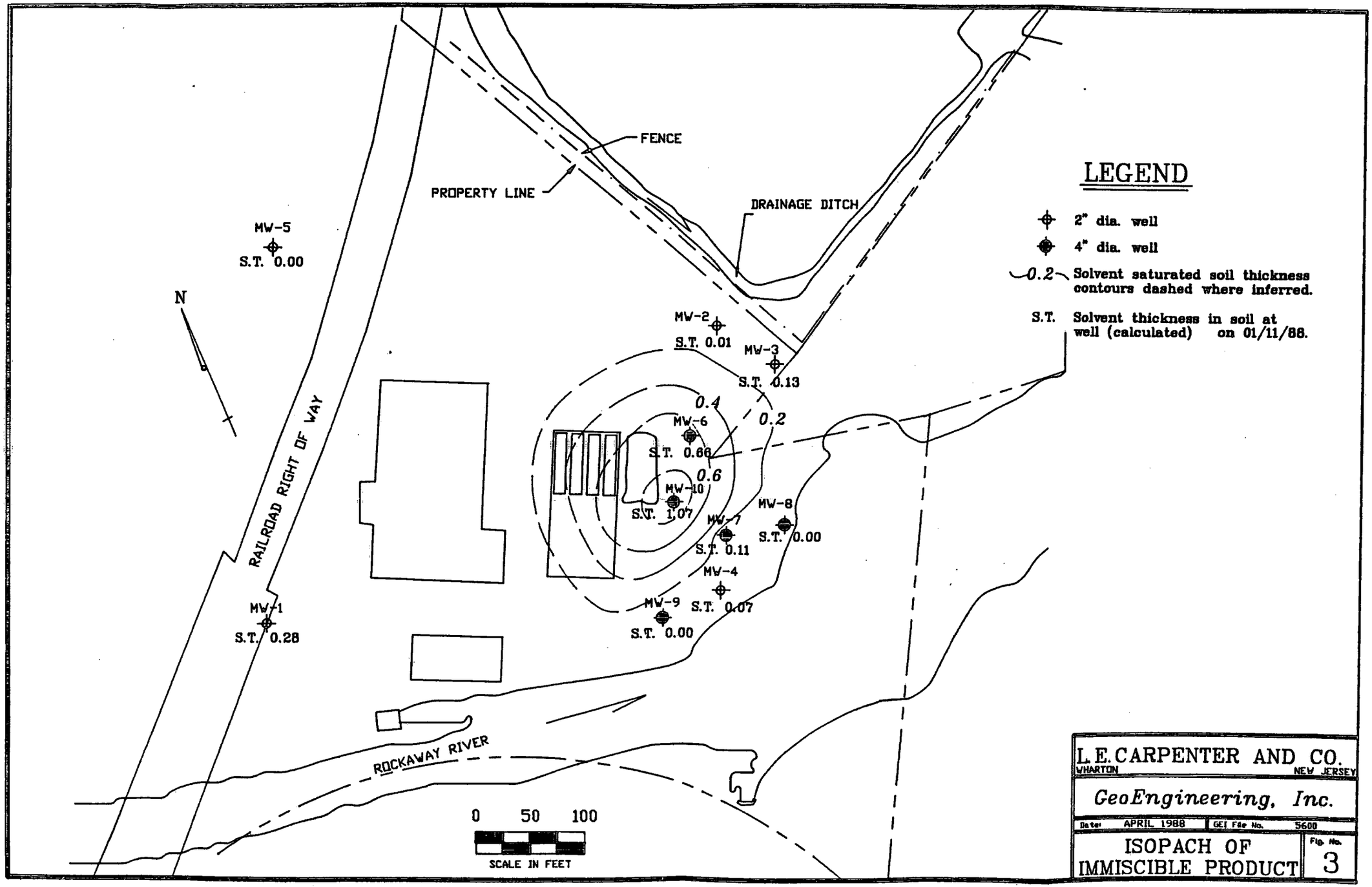

FENCE
PROPERTY LINE
DRAINAGE DITCH
MW-5
S.T. 0.00
N
MW-2
S.T. 0.01
MW-3
S.T. 0.13
0.4
0.2
MW-6
S.T. 0.66
0.6
MW-10
S.T. 1.07
MW-8
S.T. 0.00
MW-7
S.T. 0.11
MW-4
MW-9
S.T. 0.07
S.T. 0.00
RAILROAD RIGHT OF WAY
MW-1
S.T. 0.28
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
0.2 Solvent saturated soil thickness contours dashed where inferred.
S.T. Solvent thickness in soil at well (calculated) on 01/11/88.
L.E.CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date: APRIL 1988
GEI File No. 5600
ISOPACH OF IMMISCIBLE PRODUCT
Fig. No. 3

Table A

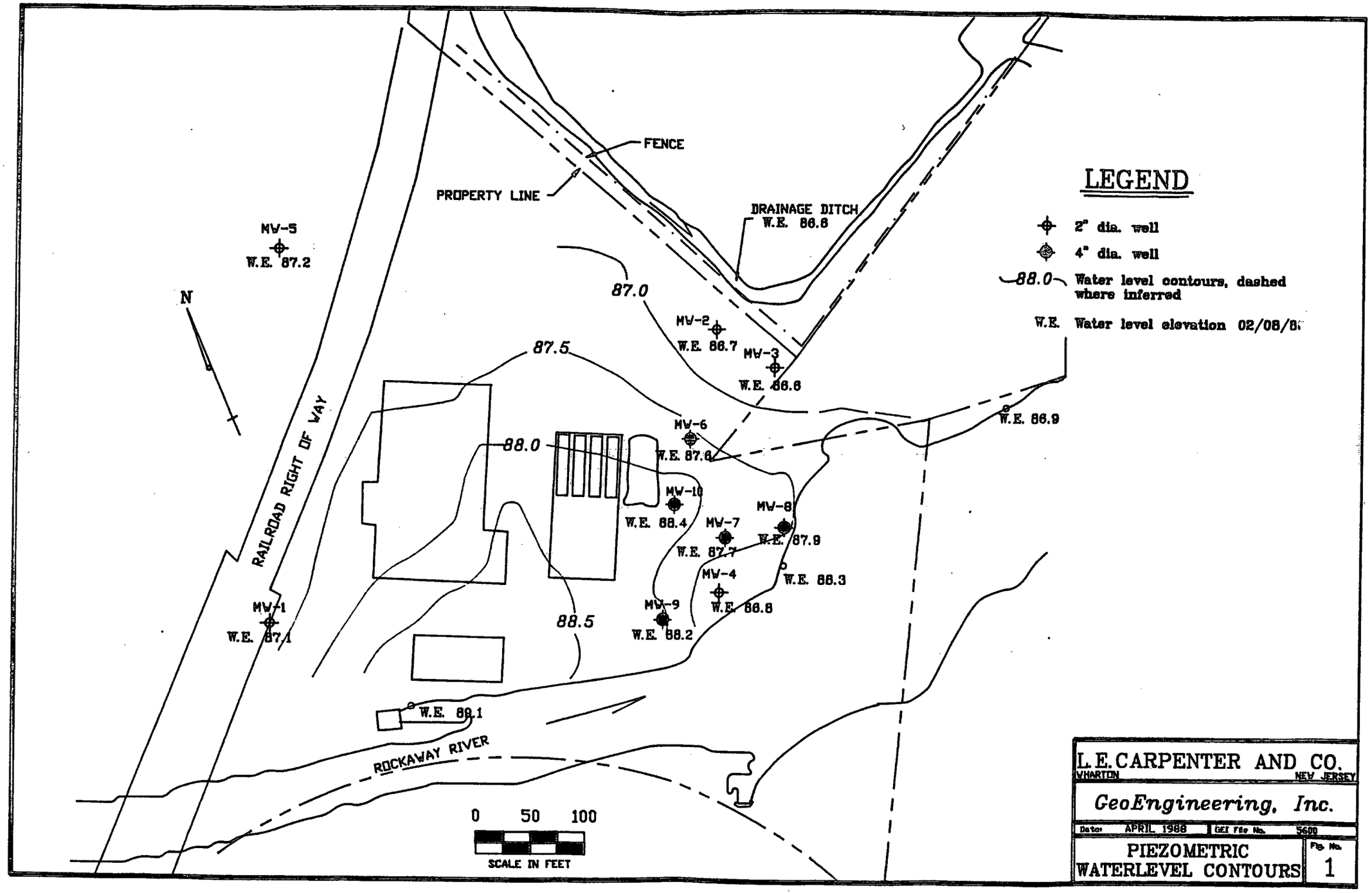
Solvent Thickness and Piezometric Elevations

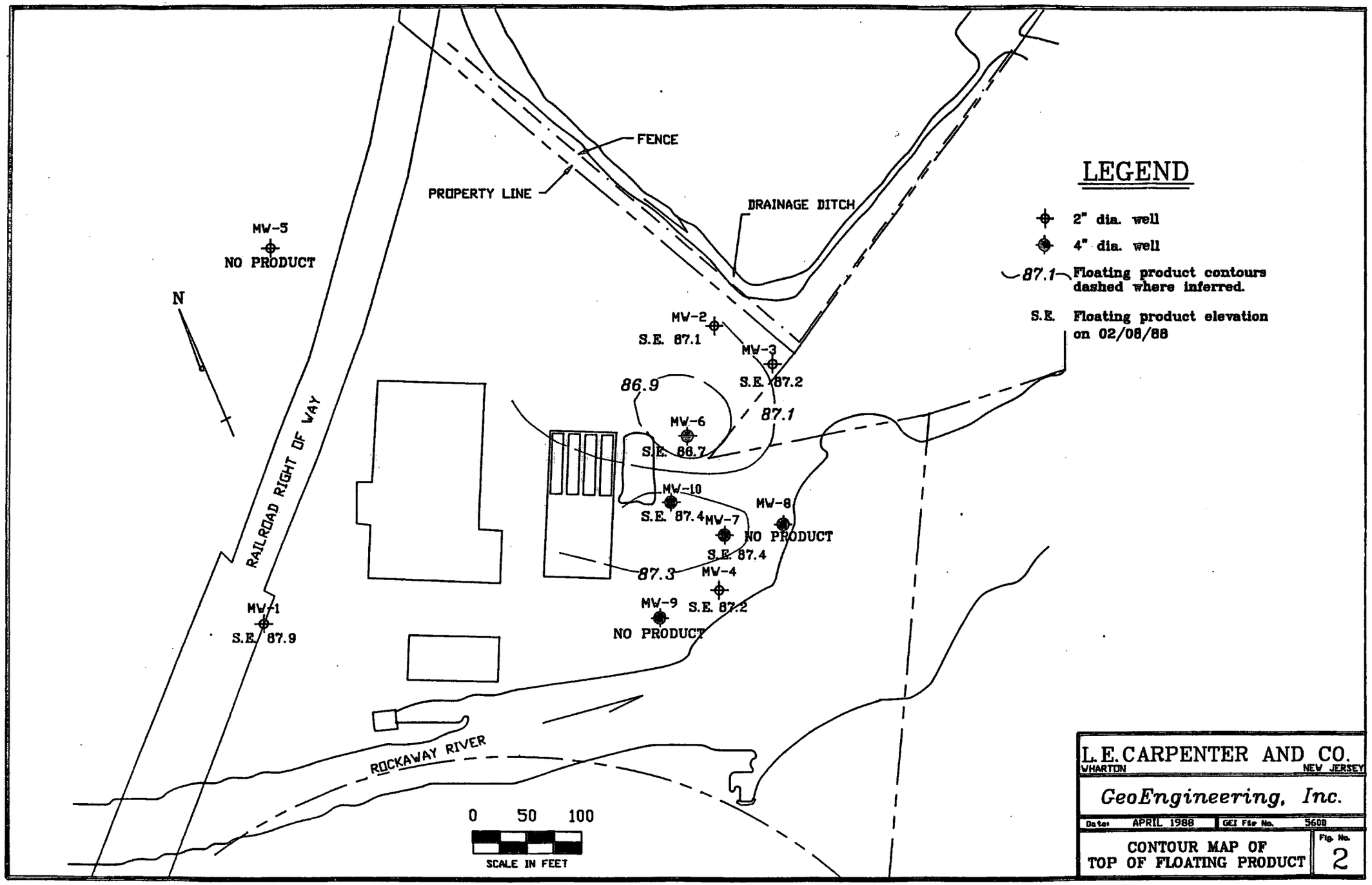
02/08/88

Well No.	Piezometric Surface Elevation	Floating Solvent Elevation	Measured Solvent (MW) Thickness (ft.)	Calculated Solvent Thickness in Soil
1	87.1 (1)	87.9	1.29	0.21
2	86.7 (1)	87.1	0.09	0.01
3	86.6 (1)	87.2	0.68	0.11
4	86.8 (1)	87.2	0.10	0.02
5	87.2 (1)	no solvent	0.00	0.00
6	87.6 (2)	86.7	6.04	0.98
7	87.7 (2)	87.4	1.76	0.29
8	87.9	no solvent	0.00	0.00
9	88.2	no solvent	0.00	0.00
10	88.4 (2)	87.4	5.81	0.95
DRAINAGE CHANNEL	86.6			
RIVER PT. 1	89.1			
PT. 2	88.3			
PT. 3	86.9			

(1) Depth to water measured inside the GEOMON Groundwater Sampler/Piezometer (inlet screen is below solvent level)

(2) Calculated piezometric surface, assuming solvent S.G.= 0.87


FENCE
PROPERTY LINE
DRAINAGE DITCH
W.E. 86.6
MW-5
W.E. 87.2
N
87.0
MW-2
W.E. 86.7
MW-3
W.E. 86.6
87.5
MW-6
W.E. 87.6
W.E. 86.9
88.0
MW-10
W.E. 88.4
MW-8
W.E. 87.9
MW-7
W.E. 87.7
W.E. 88.3
MW-4
W.E. 88.8
RAILROAD RIGHT OF WAY
MW-1
W.E. 87.1
88.5
MW-9
W.E. 88.2
W.E. 88.1
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
88.0 Water level contours, dashed where inferred
W.E. Water level elevation 02/08/8
L.E.CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date: APRIL 1988
GEI File No. 5600
PIEZOMETRIC WATERLEVEL CONTOURS
Fig. No. 1


FENCE
PROPERTY LINE
DRAINAGE DITCH
MW-5
NO PRODUCT
N
MW-2
S.E. 87.1
MW-3
S.E. 87.2
86.9
87.1
MW-6
S.E. 86.7
MW-10
S.E. 87.4
MW-8
MW-7
NO PRODUCT
S.E. 87.4
87.3
MW-4
MW-9
S.E. 87.2
NO PRODUCT
MW-1
S.E. 87.9
RAILROAD RIGHT OF WAY
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
87.1 Floating product contours dashed where inferred.
S.E. Floating product elevation on 02/08/88
L.E.CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date: APRIL 1988
GEI File No. 5600
CONTOUR MAP OF TOP OF FLOATING PRODUCT
Fig. No. 2

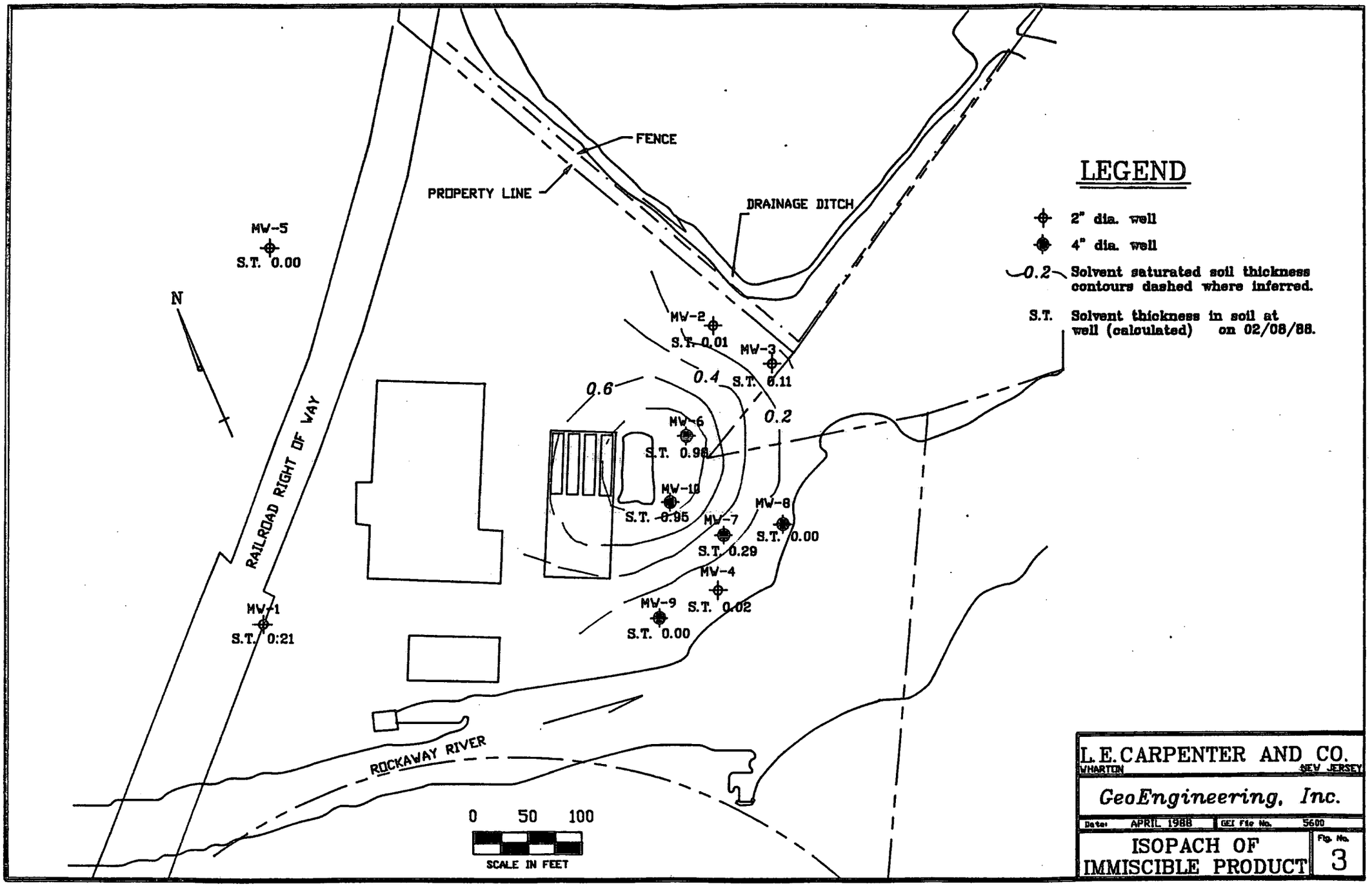

FENCE
PROPERTY LINE
DRAINAGE DITCH
MW-5
S.T. 0.00
N
MW-2
S.T. 0.01
MW-3
S.T. 0.11
0.6
0.4
0.2
MW-6
S.T. 0.98
MW-10
S.T. 0.95
MW-7
S.T. 0.29
MW-8
S.T. 0.00
MW-4
S.T. 0.02
MW-9
S.T. 0.00
MW-1
S.T. 0.21
RAILROAD RIGHT OF WAY
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
0.2 Solvent saturated soil thickness contours dashed where inferred.
S.T. Solvent thickness in soil at well (calculated) on 02/08/88.
L.E. CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date: APRIL 1988
GEI File No. 5600
ISOPACH OF IMMISCIBLE PRODUCT
Fig. No. 3

Table A

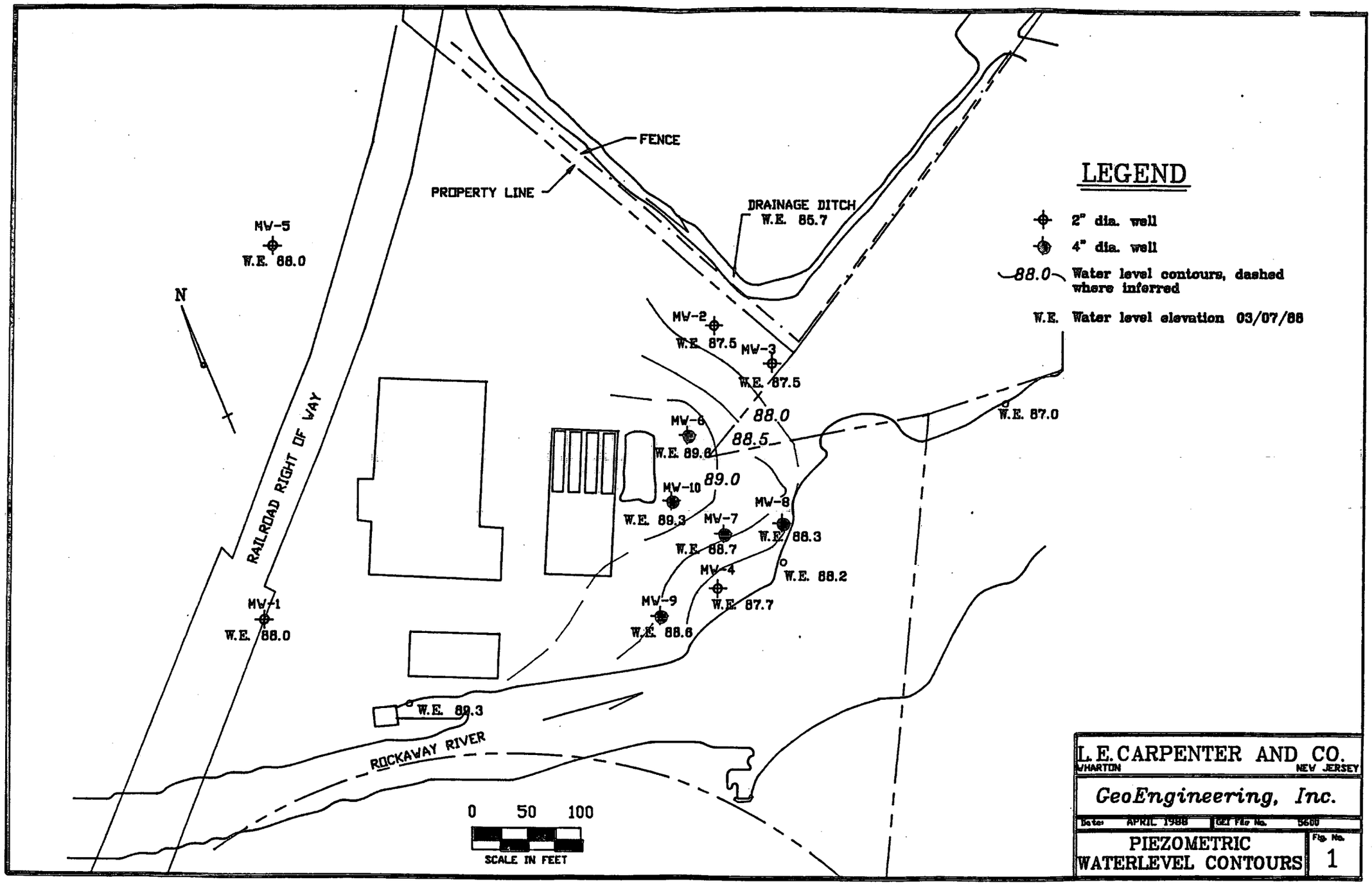
Solvent Thickness and Piezometric Elevations

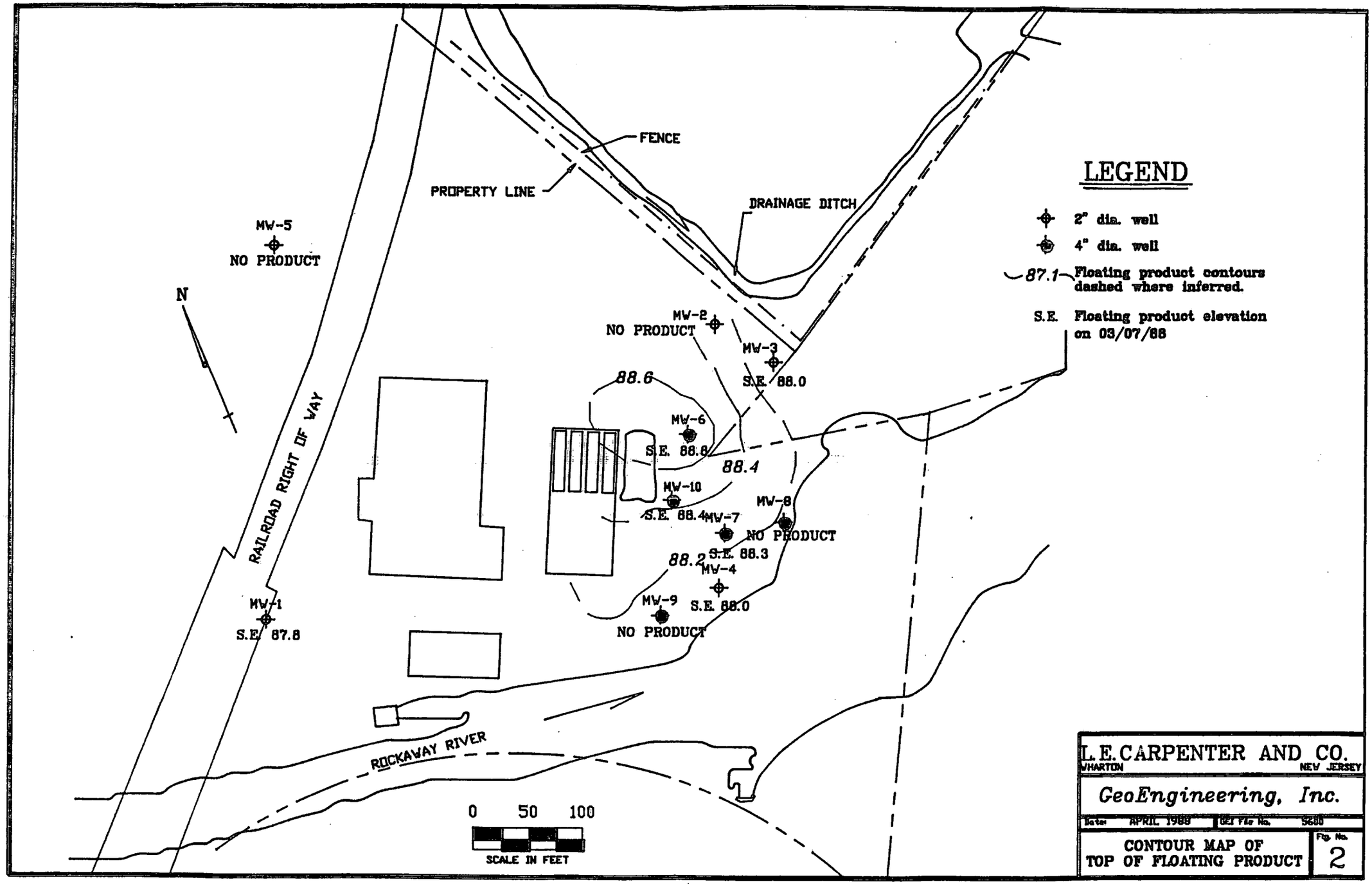
03/07/88

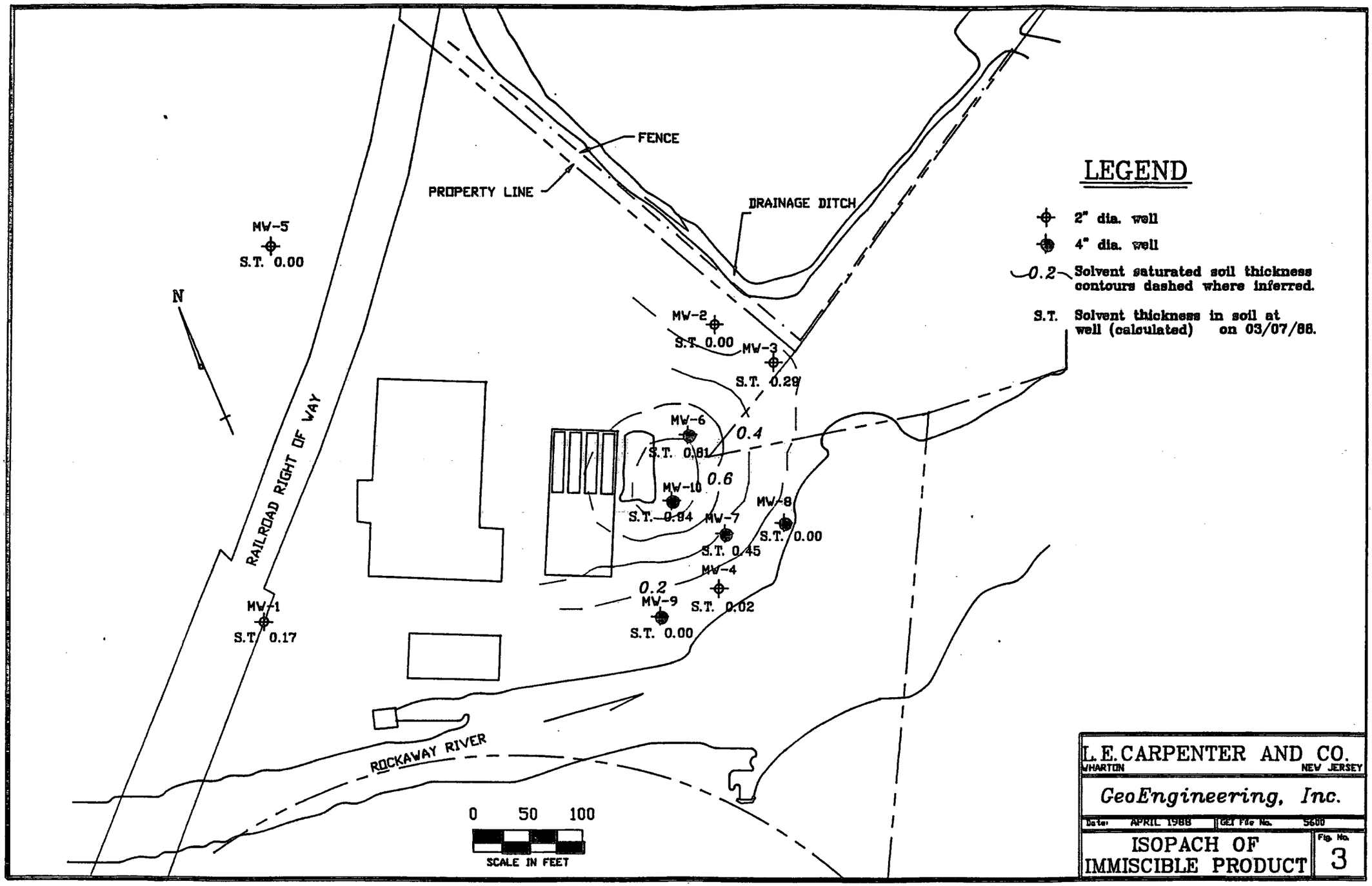
Well No.	Piezometric Surface Elevation	Floating Solvent Elevation	Measured Solvent (MW) Thickness (ft.)	Calculated Solvent Thickness in Soil
1	88.0 (1)	87.8	1.03	0.17
2	87.5 (1)	no solvent	0.00	0.00
3	87.5 (1)	88.0	1.76	0.29
4	87.7 (1)	88.0	0.11	0.02
5	88.0 (1)	no solvent	0.00	0.00
6	89.6 (2)	88.8	4.99	0.81
7	88.7 (2)	88.3	2.74	0.45
8	88.3	no solvent	0.00	0.00
9	88.6	no solvent	0.00	0.00
10	89.3 (2)	88.4	5.79	0.94
DRAINAGE CHANNEL	85.7			
RIVER PT. 1	89.3			
PT. 2	88.2			
PT. 3	87.0			

(1) Depth to water measured inside the GEOMON Groundwater Sampler/Piezometer (inlet screen is below solvent level)

(2) Calculated piezometric surface, assuming solvent S.G.= 0.87


FENCE
PROPERTY LINE
DRAINAGE DITCH
W.E. 85.7
MW-5
W.E. 88.0
N
MW-2
W.E. 87.5
MW-3
W.E. 87.5
88.0
W.E. 87.0
MW-6
W.E. 89.6
88.5
89.0
MW-10
W.E. 89.3
MW-8
W.E. 88.3
MW-7
W.E. 88.7
W.E. 88.2
MW-4
W.E. 87.7
MW-9
W.E. 88.6
RAILROAD RIGHT OF WAY
MW-1
W.E. 88.0
W.E. 89.3
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
88.0 Water level contours, dashed where inferred
W.E. Water level elevation 03/07/88
L.E.CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date: APRIL 1988
GEI File No. 5600
PIEZOMETRIC WATERLEVEL CONTOURS
Fig. No. 1


FENCE
PROPERTY LINE
DRAINAGE DITCH
MW-5
NO PRODUCT
N
RAILROAD RIGHT OF WAY
MW-2
NO PRODUCT
MW-3
S.E. 88.0
88.6
MW-6
S.E. 88.8
88.4
MW-10
S.E. 88.4
MW-7
MW-8
NO PRODUCT
S.E. 88.3
88.2
MW-4
S.E. 88.0
MW-9
NO PRODUCT
MW-1
S.E. 87.8
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
87.1 Floating product contours dashed where inferred.
S.E. Floating product elevation on 03/07/88
L.E.CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date APRIL 1988
GEI File No. 5680
CONTOUR MAP OF TOP OF FLOATING PRODUCT
Fig. No. 2


FENCE
PROPERTY LINE
DRAINAGE DITCH
MW-5
S.T. 0.00
N
MW-2
S.T. 0.00
MW-3
S.T. 0.29
RAILROAD RIGHT OF WAY
MW-6
S.T. 0.81
0.4
MW-10
S.T. 0.84
0.6
MW-8
S.T. 0.00
MW-7
S.T. 0.45
MW-4
S.T. 0.02
0.2
MW-9
S.T. 0.00
MW-1
S.T. 0.17
ROCKAWAY RIVER
0 50 100
SCALE IN FEET
LEGEND
2" dia. well
4" dia. well
0.2 Solvent saturated soil thickness contours dashed where inferred.
S.T. Solvent thickness in soil at well (calculated) on 03/07/88.
L.E.CARPENTER AND CO.
WHARTON NEW JERSEY
GeoEngineering, Inc.
Date: APRIL 1988
GEI File No. 5600
ISOPACH OF IMMISCIBLE PRODUCT
Fig. No. 3